



DO41 Axial-leaded Rectifier

Material Content Declaration					
Material name	Substance name, e.g. Copper (Cu).	CAS no., if known	Substance mass (mg)	% OF Weight (%)	ppm Of Total Weight
Lead Wire 64.74%	Copper (Cu)	7440-50-8	218.061	99.9786	647,252.8
	Phosphorus (P)	7723-14-0	0.002	0.0010	6.5
	Arsenic (As)	7440-38-2	0.002	0.0010	6.5
	Tin (Sn)	7440-31-5	0.002	0.0010	6.5
	Oxygen (O)	7782-44-7	0.001	0.0005	3.2
	Sulfur (S)	7704-34-9	0.026	0.0120	77.7
	Iron (Fe)	7439-89-6	0.001	0.0007	4.3
	Nickel (Ni)	7440-02-0	0.001	0.0003	1.9
	Bismuth (Bi)	7440-69-9	0.004	0.0020	12.9
	Antimony (Sb)	1309-64-4	0.004	0.0020	12.9
	Lead (Pb)	7439-92-1	0.001	0.0006	3.9
	Zinc (Zn)	7440-66-6	0.001	0.0003	1.9
		Total		218.11	
Solder Wafer 0.59%	Lead (Pb)	7439-92-1	1.83	92.51	5,428.9
	Tin (Sn)	7440-31-5	0.10	5.01	293.9
	Silver (Ag)	7440-22-4	0.05	2.48	145.4
	Total		1.98		
Chip 0.94%	Silicon (Si)	7440-21-3	3.16	100.00	9,373.6
	Total		3.16		
Coating 0.30%	Si Rubber		1.02	100.00	3,027.6
	Total		1.02		
Molding 33.17%	Silica (SiO2)	14808-60-7	81.57	73.00	242,117.8
	Epoxy resin	29690-82-2	19.00	17.00	56,383.6
	Phenolic resin	9003-35-4	9.83	8.80	29,186.8
	Antimony trioxide(Sb)	1309-64-4	0.78	0.70	2,321.7
	Brominated epoxy re	40039-93-8	0.51	0.46	1,525.7
	Carbon Black	1333-86-4	0.04	0.04	132.7
	Total		111.74		
Plating 0.26%	Tin (Sn)	7440-31-5	0.90	100.00	2,671.4
	Total		0.90		
	Total mass (mg)		336.90		